

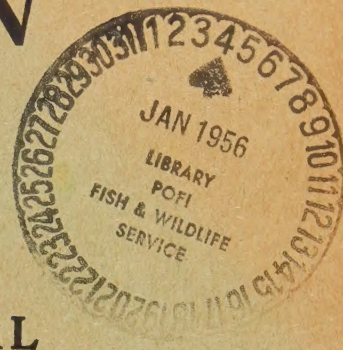
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BULLETIN

OF THE

SCIENTIFIC AND TECHNICAL
DOCUMENTATION CENTRE



صحيفة مركز الوثائق والمكتبات العلمية والفنية

SCIENTIFICAL AND TECHNICAL DOCUMETATION CENTRE

NATIONAL RESEARCH COUNCIL OF EGYPT

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Volume 1

No. 1 — July 1955

BULLETIN

OF THE

SCIENTIFIC AND TECHNICAL
DOCUMENTATION CENTRE

صحيفة مركز الوثائق والمكتبات العلمية والفنية

NATIONAL RESEARCH COUNCIL OF EGYPT
CAIRO

S.O.P.-PRESS
(Société Orientale de Publicité)
LE CAIRE, 1955

مقدمة

يهدف « مركز الوثائق العلمية والفنية » إلى أن يضع في متناول أيدي العلماء والفنيين ورجال الصناعة الوثائق العلمية والفنية التي يحتاجون إليها في أعمالهم ، كما يقوم أيضاً بتعريف العالم الخارجي بالإنتاج العلمى والتطبيقاتى فى مصر والشرق الأوسط .

وقد جاء إنشاء هذا المركز امتداداً لنشاط قسم المخابرات العلمية بالمعهد وتوسعاً فى مكتبته ، وذلك بالاشتراك مع هيئة اليونسكو حسب الاتفاقية المبرمة بين الحكومة المصرية ومجلس الخدمات الفنية بهيئة الأمم المتحدة .

وقد اشترك المركز إلى الآن فى قرابة ألف مجلة ، عليها يعتمد فى تحضير وثائقه العلمية ، وسوف يرتفع هذا الرقم فى القريب . وهذه المجالات تأتيه من كل بلاد العالم تقريباً ، وهى تناول العلوم الأساسية والتطبيقية الآتية :

الرياضة البحتة والتطبيقية ، الفلك ، الجيوفيزياء ، الطبيعة النظرية والتطبيقية ، الكيمياء النظرية والتطبيقية ، علوم الجيولوجيا ، علوم البيولوجيا ، العلوم الطبية ، العلوم الهندسية ، العلوم الزراعية والبيطرية .

وتهدف هذه النشرة إلى تعريف المشتغلين بهذه العلوم بما ورد بهذه الدوريات فى أسرع وقت ممكن .

والنشرة تنقسم إلى قسمين : الأول يحتوى على عناوين الموضوعات التى نشرت بالدوريات التى تصل إلى مركز الوثائق ، وذلك باللغتين الإنجليزية والفرنسية ، وهى مبوبة حسب موضوعات البحث وبحيث يتمكن القارئ من الوصول إلى ما يهمله منها فى سهولة ويسر . ويمكن الرجوع إلى كل المقالات الواردة بهذه النشرة فى مكتبة المركز ، كما يمكن الحصول على صور فوتوغرافية من قسم التصوير بالمركز لقاء الأجور المبينة فى الصفحة الثانية من غلاف هذا العدد من النشرة .

أما القسم الثانى من النشرة فإنه يحتوى على مختصرات للبحوث الأساسية والتطبيقية المنشورة فى مصر أو الواردة بالمجلات العلمية التى تصل « مركز الوثائق » من بلاد الشرق الأوسط . ويهدف هذا القسم إلى توضيح النشاط العلمى لهذه البلاد ، ويسهم فى تحضيره « قسم المعونة العلمية بالشرق الأوسط التابع لهيئة الأمم المتحدة » (١) .

وقد سارع مركز الوثائق في إخراج هذا العدد الأول من النشرة رغبة منه في نشر محتويات المجلات التي وردت إلى المكتبة ، وذلك في نفس الوقت الذي كان المركز يحضر لأعماله الأخرى ، مما يتحتم معه ورود بعض النقص والأخطاء التي يأمل المركز أن تعتذر له .
ونحن نرجو أن تأتي الأعداد التالية أحسن عرضاً وأكبر حجماً وأقرب إلى ما يتوقعه العلماء والفنيون ورجال الصناعة .

INTRODUCTION

The aim of the "SCIENTIFIC AND TECHNICAL DOCUMENTATION CENTRE" is to collect and place at the disposal of scientists, technicians, industrialists, etc... the scientific and technical documentation required for their work. At the same time it intends to make known to the outside world the scientific and technical production of Egypt and the Middle East countries. This CENTRE has been created by the National Research Council of Egypt, in order to extend the activities of its Scientific Information Department and to expand its Library. The organisation of the CENTRE is carried out in collaboration with UNESCO in accordance with an agreement between the Egyptian Government and the United Nations Technical Assistance Board.

The CENTRE receives already a thousand scientific and technical periodicals from which it prepares its documentations. This figure will be further increased in the future. These periodicals come from almost all countries of the world and deal with the following branches of pure and applied science:

- Mathematics, pure and applied,
- Astronomy and Geophysics
- Physics, pure and applied,
- Chemistry, pure and applied,
- Geological sciences,
- Biological sciences,
- Medical sciences,
- Engineering sciences,
- Agricultural and Veterinary sciences.

The contents of these periodicals will be rapidly made known to those interested by means of this BULLETIN, every issue of which consists of two parts.

The first contains a list of titles of the articles appearing in the periodicals received at the CENTRE. These titles will be in English or French, and divided into sections and sub-sections according to subjects. This classification will be made primarily according to a practical system based on the number of articles to be classified so that the readers may be able to find rapidly the articles on their special subject which might be of interest to them. In this first issue, the articles are classified in a very general way, but the classification will be much more detailed in the following issues.

All the articles listed in the BULLETIN are available at the CENTRE, where they can be consulted. The Photographic Service can also furnish microfilms or photocopies on demand at the rates specified on the 2nd page of the cover of this number of the BULLETIN.

The second part of the BULLETIN gives abstracts of technical and scientific papers published in Egypt and the Middle East countries, such as Afghanistan, Cyprus, Iran, Iraq, Lebanon, Pakistan, Sudan and Syria. It is prepared in collaboration with the UNESCO Science Cooperation office for the Middle East ⁽¹⁾ and will give as comprehensive a survey as possible of the scientific activities of these countries.

In the desire to provide the readers, as soon as possible, with information about the contents of the periodicals received at the Library, this issue of the BULLETIN has been prepared while other services of the CENTRE are just beginning to become organised, and consequently it is certain to have some defects. We, therefore, beg the readers to excuse the defects and the deficiencies which they will not fail to detect.

In the next numbers, we hope to better the presentation and to increase considerably the volume of documentation given, in order to make the BULLETIN a useful working tool for scientists, technicians, industrialists and students.

(1) See the Introduction of the second part of this BULLETIN.

INTRODUCTION

Le "SCIENTIFIC AND TECHNICAL DOCUMENTATION CENTRE" a pour but de recueillir et mettre à la disposition des hommes de science, techniciens, industriels, etc., la documentation scientifique et technique nécessaire pour leurs travaux. En même temps, il se propose de faire connaître dans le reste du monde la production scientifique et technique de l'Égypte et des pays du Moyen Orient. Ce CENTRE a été créé par le NATIONAL RESEARCH COUNCIL afin d'élargir les activités de son département d'Information Scientifique et développer sa Bibliothèque. L'organisation de ce CENTRE est réalisée avec la collaboration l'UNESCO dans le cadre général d'un accord signé entre le Gouvernement Égyptien et l'UNITED NATIONS TECHNICAL ASSISTANCE BOARD.

Pour préparer sa documentation, le CENTRE reçoit déjà un millier de périodiques scientifiques et techniques, et ce chiffre augmentera encore à l'avenir. Ces périodiques proviennent de la plupart des pays du monde et correspondent aux branches des sciences pures et appliquées, suivantes:

Mathématiques pures et appliquées,
Astronomie et Géophysique,
Physique pure et appliquée,
Chimie pure et appliquée,
Sciences Géologiques,
Sciences Biologiques,
Sciences Médicales,
Sciences de l'Ingénieur,
Sciences Agricoles et Vétérinaires.

Le contenu de ces périodiques sera porté très rapidement à la connaissance des intéressés à travers ce BULLETIN qui comprendra les titres des articles parus dans les revues reçues au CENTRE; ces titres seront donnés en Anglais ou en Français et classés par matières en sections et subsections. Ce classement sera fait avant tout suivant un système pratique basé sur le nombre d'articles à classer, de sorte que les lecteurs puissent trouver rapidement les articles de la spécialité susceptible de les intéresser. Dans ce premier numéro, les articles sont classés d'une façon très générale, mais ce classement sera beaucoup plus poussé dans les prochains numéros,

Tous les articles indiqués dans le BULLETIN peuvent être consultés à la salle de lecture du CENTRE: le Service Photographique peut aussi fournir des reproductions sur microfilm ou sur papier dans les conditions indiquées dans la 2e page la couverture de ce numéro.

La deuxième Partie du BULLETIN donne des analyses des travaux scientifiques et techniques publiés en Egypte et dans les pays du Moyen Orient tels que l'Afghanistan, Chypre, Iran, Irak, Pakistan, Soudan et Syrie. Préparée avec la collaboration du centre de Coopération Scientifique de l'UNESCO pour le Moyen Orient ⁽¹⁾ cette Partie donnera une information aussi complète que possible de l'activité scientifique dans ces pays.

Afin d'informer le plus tôt possible les intéressés sur le contenu des revues reçues à la Bibliothèque, ce numéro a été préparé en même temps que les services du CENTRE commençaient à s'organiser; il contient sûrement quelques imperfections. Nous prions donc les lecteurs d'excuser les défauts et les lacunes qu'ils ne manqueront pas de trouver.

Dans les prochains numéros, on espère améliorer la présentation et augmenter considérablement le volume de documentation fournie, de façon à faire de ce BULLETIN un bon instrument de travail pour les hommes de science, les techniciens, les industriels et les étudiants.

(1) Voir dans ce numéro l'Introduction à la deuxième partie du BULLETIN.

Part 1

List of Titles

of the

Papers published in the Periodicals
received at the Centre



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Part 2

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مقدمة

من بين أهداف « مركز الوثائق العلمية والفنية » الذى أنشأه المعهد القومى للبحوث بالاشتراك مع قسم الخدمات الفنية التابع لهيئة اليونسكو ، تعريف العالم الخارجى بالإنتاج العلمى والتطبيقات فى مصر والشرق الأوسط . من أجل هذا رؤى أن يحتوى هذا القسم من نشرة المركز على مختصرات للبحوث المنشورة فى مصر أو الواردة بالمجلات العلمية التى تصل « مركز الوثائق » من بلاد الشرق مثل أفغانستان ، قبرص ، إيران ، العراق ، لبنان ، باكستان ، السودان وسوريا .

وسوف يعاد طبع هذا القسم من النشرة منفصلا لكي يوزع فى جميع أنحاء العالم ، فيحل بذلك محل نشرة البحوث العلمية المنشورة فى الشرق الأوسط التى كان يقوم بطبعتها ونشرها مكتب المعونة العلمية التابع لهيئة اليونسكو بالقاهرة . وبذلك يكون العدد الثانى عشر من نشرات هيئة اليونسكو هو العدد الأخير الذى يصدر من هذه النشرة .

وقد أبدى مكتب اليونسكو استعداده للتعاون فى إخراج هذا القسم من النشرة ، وهو تعاون دولى لا شك له قيمته ، ويدعو إلى تقديم خالص الشكر إلى المشرفين على هذا المكتب .

ويرجو مركز الوثائق من قراء نشرته أن يبعثوا له بأسماء المجلات والدوريات التى لم يرد ذكرها فى النشرة ، كما يرجو من محررى هذه المجلات والدوريات أن يتفضلوا مشكورين بإرسال دورياتهم إلى المركز حتى يتمكن من ذكر محتوياتها فى نشرته .

INTRODUCTION

One of the aims of the SCIENTIFIC AND TECHNICAL DOCUMENTATION CENTRE, created by the National Research Council of Egypt with the collaboration of the Department of Technical Assistance of UNESCO, is to make known to the world the scientific and technical production of Egypt and the Middle East countries. With this object in view, the CENTRE has now started the monthly publication of this part of the BULLETIN, which is to contain brief summaries of scientific and technical papers published in Egypt and of articles in the periodicals received at the CENTRE from other countries of this region, such as Afghanistan, Cyprus, Iran, Iraq, Lebanon, Pakistan, Sudan and Syria.

This part, which will also be issued as a reprint from the BULLETIN, will be widely distributed all over the world.

This new publication succeeds the "List of Scientific Papers published in the Middle East" which was published since 1948 by the Science Cooperation Office of UNESCO in Cairo, with a similar object. No. 12 of that series of Lists will thus be the last number published by the Office of UNESCO.

This Office has offered to collaborate with us in preparing and editing this second part of the BULLETIN, and this help of an international nature will be particularly useful. We take this opportunity to express our appreciation of, and sincere thanks for, this efficient and disinterested collaboration.

We would greatly appreciate it if our readers would indicate to us any periodicals which have not been abstracted, and if editors of scientific and technical journals in the Middle East would send us such publications so that they can be included in this section.

INTRODUCTION

L'un des buts du "SCIENTIFIC AND TECHNICAL DOCUMENTATION CENTRE" créé par le "National Research Council of Egypt" et organisé avec la collaboration du Département de l'Assistance Technique de l'UNESCO, est de faire connaître dans le monde la production scientifique et technique de l'Egypte et des pays du Moyen Orient. C'est pour atteindre ce but que le CENTRE commence la publication mensuelle de cette Partie qui contiendra des résumés des travaux scientifiques et technique publiés en Egypte, et des articles des revues reçues au CENTRE des autres pays de la région tels que: Afghanistan, Chypre, Iran, Irak, Liban, Pakistan, Soudan et Syrie.

Cette Partie distribuée également, sous forme de tirage à part du BULLETIN, sera diffusée le plus largement possible dans le monde entier.

Cette nouvelle publication prend la suite de la "Liste des Travaux Scientifiques publiés au Moyen Orient" que le Centre de Coopération Scientifique de l'UNESCO au Caire publiait depuis 1948 dans un but similaire. Le No. 12 de cette série de Listes sera ainsi le dernier numéro publié par le Centre de l'UNESCO.

Ce centre nous a offert sa collaboration dans la préparation et la rédaction de cette deuxième Partie du BULLETIN et cette aide de caractère international sera particulièrement utile. Nous sommes heureux de témoigner notre reconnaissance pour cette collaboration efficace et désintéressée.

Les lecteurs en nous signalant des revues non analysées et les rédacteurs de périodiques scientifiques et techniques des pays intéressés en nous envoyant leurs publications non encore analysées dans cette Partie, peuvent contribuer très utilement à la compléter. A l'avance nous les en remercions.

Scientific and Technical Papers

published in Egypt and papers received from

Afghanistan, Cyprus, Iran, Iraq, Lebanon, Pakistan, Sudan and Syria

GENERAL SCIENCE

100001 — Abu Ali Hassan Ibn Abdullah Ibn Sina (980-1037). *Pakist. J. Sci.* (1954), 6, No. 3, 131-2. Biography.

100002 — Scientific and industrial research in Pakistan. *Pakist. J. Sci.* (1954), 6, No. 2, 129-30.

Present development and needs of the country.

100003 — Pioneers of pharmacy in Lebanon. *Rev. Pharm. Liban.* (1954), 2, No. 3, 100-1.

100004 — BERTHET (E.). Aspects de l'assistance technique internationale. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 60-72.

100005 — ISLAM (T.M.). Science and religion. *Pakist. J. Sci.* (1954), 6, No. 3, 133-6.

The compatibility of science and religion is shown, both science and religion resolve themselves into the theory of one. Science and religion make one couple. Science concerns itself with unseen, religion with the unseen, but the seen is He — the unseen is He.

100006 — NAHOUL (A.). A brief history of the order of pharmacists of Lebanon. *Rev. Pharm. Liban.* (1954), 2, No. 3, 102-5.

100007 — NUZH DIN (N.). Soviet science. *Pakist. J. Sci.* (1954), 6, No. 3, 144-51.

The progress of science in U.S.S.R. and the achievement in various fields of knowledge are described.

MATHEMATICS

100008 — KERA WALA (S.). On the integrator of the Darboux-Riccati equation form on helix. *Scient. Pakistan.* (1954), 2, No. 1/2, 42.

ASTRONOMY and GEOPHYSICS

100009 — SHAMSHARD (K.M.). A theory of change in the climate of Sind and Baluchistan. *Scient. Pakistan.* (1954), 2, No. 1/2, 6-8.

100010 — STRATTON (F.J.M.). Radio astronomy. *Pakist. J. Sci.* (1954), 6, No. 3, 137-40.

The history and the development of radio astronomy have been discussed. Its application as a means of unravelling various secrets of nature, and other uses are described.

PHYSICS

100011 — ABOU-HUSSEIN (M.S.). A voltage-transformer network analyser. *Bull. Fac. Engng. Cairo.* (1954), 219-64.

Two, three and multiwinding voltage transformer analogues are developed and it is shown they are used to solve electrical, mathematical and structural problems.

100012 — AHMED (M.A.H.). New types of electronic measuring instruments. *Bull. Fac. Engng. Cairo.* (1954), 185-217.

Three novel electronic measuring instruments to measure power, power factor, voltage, current or impedance. Simplicity, reliability, stability and accuracy. They use two tubes, operated as cathode followers, in push-pull fashion. Wide range linear characteristic is used with advantage.

100013 — ANTONOFF (G.). Discontinuities in properties of liquids as a function of temperature. *Scient. Pakistan.* (1954), 2, No. 1/2, 19-33.

100014 — EL-KHOLY (M.A.) and ABDEL HAMID (M.N.D.). The three phase induction motor with unbalanced stator connections with particular reference to the kusa connection and single-phase operation. *Bull. Fac. Engng. Cairo.* (1954), 277-302.

Discussion by the application of the method of symmetrical components developed by Fortescue.

100015 — EL-SAID (M.A.). The effect of primary losses on the performance of radio frequency transformers with tunable secondary. *Bull. Fac. Engng. Cairo.* (1954), 165.

Primary losses have considerable effect on the overall performance of the radio frequency transformer. Quantitative analysis is given and theoretical results are verified experimentally.

100016 — SALEM (M.A.). A study of the input current to transmission lines under an applied E.M.F., $EU(T) \sin \omega T$. *Bull. Fac. Engng. Cairo.* (1954), 265-75.

Solution based on the Laplace transformations.

CHEMISTRY

100017 — AHMED (A.K.). In Arabic (Fatty acids and its nitrogenous derivatives II). *Rep. pharm. Soc. Egypt.* (1955), 37, No. 1, 23-28. General considerations.

100018 — KHAN (A.W.), NAZ (Z.I.) and CHUGHTAI (I.D.). Studies on the chemical activities of micro-organisms. I. — Ethanol from gur and molasses. *Pakist. J. Sci. Res.* (1954), 6, No. 3, 88-91. For different strains of yeast have been utilized for the production of ethanol on laboratory scale from sucrose, gur and molasses. Higher yield of ethanol was obtained utilizing a strain S. Ellipsoideus - 1911. Effect of pH and nutrients have also been studied employing strains of S. cerevisiae and S. carlsbergensis.

100019 — LATIF (A.) and KHUNDKAR (M.H.). Electrodeposition on rusted iron surface. *Pakist. J. Sci.* (1954), 7, No. 3, 83-8. The rusted surface is given a quick cathodic treatment at elevated temperature from an alkaline bath, followed by a slow anodic picking in acid ferrous sulphate solution. Effect of the acidity of the pickling bath on the smoothness of the surface and the loss of weight has also been studied.

- 100020 — LODI (S.S.M.N.) and AHMED (M.D.). **Reaction of bromine with metallic salts of aromatic acids.** *Pakist. J. Sci. Res.* (1954), 6, No. 3, 92-4.

The work in the aromatic series is confined to the silver salts of benzoic, substituted benzoic 2,4,5, and benzene dicarboxylic acids. The action of bromine is extended to the silver salts of naphthoic, naphthalic and mendelic acids and to the salts of metals of 1st, 2nd and 3rd groups of various aromatic acids.

GEOLOGY

- 100021 — ANSARY (S.E.). **A new foraminiferal fauna from the upper eocene Egypt.** *Bull. Fac. Engng. Cairo.* (1954), 305-35.

112 species and varieties, 12 species and 3 varieties are recorded as new. These are described in detail.

- 100022 — OSMAN (A.). **Upper cretaceous of western Sinai.** *Bull. Fac. Engng. Cairo.* (1954), 335-65.

Foraminiferal content of two cretaceous sections (Raha Scarp or Sudr section and Gebel Qabeliat or Tor section). Identification and description of 200 species and varieties, 30 species and 4 varieties seem to be new. Statistical data for the relative distribution in the two sections, relations and correlating, zoning, ages.

- 100024 — RAVER (G.L.) and PRETORIUS (D.A.). **Report on hydrogeological investigation in Kharga and Dakhla oases.** *Publ. Inst. Désert Egypte.* (1954), No. 4, 1-108.

The underground water problems, wells, geological formations. Correlation of water-bearing horizons. Chemical analysis of water. New wells. A systematic hydrological, geological, geophysical, and drilling programme should be undertaken.

- 100024 — RAVER (G.L.) and PRETORIUS (D.A.). **Report on reconnaissance hydrogeological investigations in the western desert coastal zone.** *Publ. Inst. Désert Egypte* (1954), No. 5, 1-145.

Investigations revealed that ground water occurs over the whole length of the coastal zone between Burg el Arab and Sollum. Conditions in four areas are encouraging to recommend that a complete hydrological investigation be undertaken in each of them.

BIOLOGICAL SCIENCES

- 100025 — Huxley on Soviet genetics. *Scient. Pakistan.* (1954), 2, No. 1/2, 1-5.

- 100026 — AHMAD (N.). **Fishing-gear of East Pakistan.** *Pakist. J. Sci.* (1954), 6, No. 3, 162.

A short description of 30 gill nets, 30 seine nets, 11 drag nets, 6 draw l nets, 6 clap nets, 5 fixed purse nets, 9 strake nets, 16 dip nets and 3 cast nets used in different districts of the province is given. The names of fish caught by different nets are stated. In addition to nets, 26 traps, 8 spears and harpoons, and some other fishing implements are briefly described, with illustrations.

- 100027 — ALLOUSE (B.E.). **A bibliography on the vertebrate fauna of Iraq and neighbouring countries. I. Mammals.** *Iraq. Nat. Hist. Publ.* (1955), No. 4, 1-32.

List of 285 references. Geographical index. Summary in Arabic.

- 100028 — ANSARI (M.A.R.). **Pre-imaginal instars of Mallophaga and application of some growth principles.** *Pakist. J. Sci.* (1954), 6, No. 3, 155-61.

The amount of growth achieved at each moult in most insects is governed by certain empirical laws. The practical utility of some of these laws in *Mallophaga* is discussed. The head-width in the nymphal instars of *Lepeurus caponis* (Linn), *Cuclotogaster heterographus* (Nitzsch), *Goniodes pavonis* (Linn), *Brueelia atharae* Ansari, *Quardiceps testudinarea* (children), and *Laemobothrion titan* piaget has been shown to present a very constant ratio of growth.

A latent division was found to occur between the body-length of I and II instar nymphs in *Ischnocera* alone.

- 100029 — DOUWES (H.). **The cytological relationship of *Gossypium areysianum* Deflers.** *Mem. Res. Minist. Agric. Sudan* (1953), 45, 611-24.

The description of *G. areysianum* and a cytological analysis of its crossing as a male parent with each of: *G. stocksii*, *G. somalense*, and *G. anomalum*.

- 100030 — EL-KEIY (M.A.) and EL-MOGHAZY SHOAIB (A.M.). **The macro- and micromorphology of *Ammi visnaga* flower.** *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 119-28.

Morphological histological features of the different parts of these flowers collected from both cultivated and wild plants grown in different districts of Egypt.

- 100031 — GIRAUD-COSTA (Ed.), ADES (J.), SEFERIAN (V.) et FARHI (Ez.). **Action de la chlorpromazine (largactif) sur la résistance des animaux à l'hyperthermie massive.** *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 111.

- 100032 — JANJUA (N.A.). **The biology of *Empoasca decepiens* Paoli (Jassidaef Rhynchota) in Baluchistan.** *Scient. Pakistan.* (1954), 2, No. 1/2, 34-9.

- 100033 — LYS (P.) et ADES (J.). **Présentation de la petite flore simplifiée du Liban.** *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 111.

- 100034 — MOHAJIR (A.R.) and EIGSTI (O.J.). **Chromosomes of *Oligomeris*.** *Pakist. J. Sci. Res.* (1954), 6, No. 3, 81-3.

Cytological studies on the genus *Oligomeris* are reported. In the species of *Oligomeris glaucescens* (Cambess) the chromosome number has been found so be $n=12$ and $2n=24$. The haploid chromosome number of 12 has been suggested to be a polyploid species.

- 100035 — SAHA (B.). **The shoot apex of *Oryza sativa* L.** *Scient. Pakistan.* (1954), 2, No. 1/2, 9-18.

MEDICAL SCIENCES

- 100036 — ABDALLA (M.A.). **Treatment of ulcero-membranous gingivitis.** *J. Egypt. med. Ass.* (1954), 37, No. 9, 1155-1161.

Results of treatment with dirian and with vulnocoll are very encouraging.

- 100037 — ABDEL HALIM (S.) and ELWI (A.M.). **Hamartoma of the lung.** *J. Egypt. med. Ass.* (1954), 37, No. 7, 852-54.

Hamartoma of the circumscribed type was found in the lung of an adult at autopsy. It is the first case found among 3857 autopsies (0.025%). The tumour was not the cause of death and was not diagnosed clinically. The pathology of lunghamartoma is reviewed.

- 100038 — ABDEL MESSIH (G.). **Poliomyelitis syptomatology.** *Med. Pr. Egypt.* (1954), No. 11, 493-504.

Summarised report on the clinical course and the symptoms and signs in the phases of the disease.

- 100039 — ABDEL SAMIE (M.L.). **Carcinoma of the ampulla of Vater.** *J. Egypt. med. Ass.* (1954), 37, No. 7, 843-851.

An adenocarcinoma of the ampulla of Vater was operated by the transduodenal route in two stages. The A. discusses the various operations for this condition and the complications following them.

- 100040 — ABIRACHED (J.). **A propos d'un cas de bloc sino-auriculaire - Nuances électriques.** *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 487-95.

- 100041 — ABIRACHED (J.). **A propos d'une onde de Pardee dans un infarctus antérieur du myocarde - considérations bioélectriques.** *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 483-6.

- 100042 — ABOU-CHAAR (C.). **Demecolcine, colchicine and other constituents of *Colchicum* (*Colchicum autumnale* L.) as cytostatic agents.** *Rev. Pharm. Liban.* (1955), 2, No. 4, 117-24.

- 100043 — ABOU SAIF (N.). **The status of radiotherapy in cancer.** *J. Egypt.-Med. Ass.* (1954), 37, 804-11.

A. stresses the importance of radiology in modern cancer therapy, either in combination with surgery or alone. He brings statistical tables of survival rates after 3 and 5 years, to convince not only the lay people but also medical men that the diagnosis of cancer need not be a death sentence.

- 100044 — ABOUL NASR (A.L.) and AWAD (H.). **The primary effects of "Nitromin" on malignant diseases.** *J. Egypt. Med. Ass.* (1954), 37, No. 7, 733-46.

Nitromino, was tried on 12 cases (11 malignant diseases of the reticulo endothelial system 1 advanced primary lung carcinoma). Drug administered daily (1 mg/kg. body wt., in 25 cc. glucose) by injections for variable periods of time - (total dose 350-1525 mg.) Details of the clinical picture, blood counts, etc. before and after treatment are given in instructive tables. The drug appears to be more effective and less toxic than nitrogen mustard and similar drugs.

- 100045 — ABOUL NASR (A.L.) and SHAHBANDER (S.). The role of steroid hormones in cancer of the breast in females. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 754-70.
31 cases of cancer of breast in women with androgens (14) and oestrogens (17). Contrary to the generally held opinion the A.A. consider the functional or hormonal age to be more important than the chronological age. The idea that androgens are indicated in all cases with osseous metastases was not supported by their experience. They advocate continuous treatment, never interrupted for longer than 1-2 weeks, and the dosage should be adequate. Treatment is divided into 2 periods, treatment of attack and maintenance, the first extends usually over 2-3 months with androgens (daily dose 50-100 mg.), 3-5 months with oestrogens (2-3 mg.) Maintenance 25 mg. testosterone prop. twice weekly — 0.1 — 0.3 mg. ethinyl-oestrogens daily.
- 100046 — ABU ZIKRY (A.S.). Cardiospasm (Report on four cases treated by Heller's operation). *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1118-1135.
The subject is discussed in some detail, with reference to pulmonary complications. Dilatation by hydrostatic bag recommended. For unsuitable, or non-responsive, cases, cardio-myotomy (Hellers' operation), by transabdominal, or better, by transthoracic route.
- 100047 — ADRA (A.). Maladie de Cooley. *Rev. Méd. Moy. Or.* (1954), 121, No. 3, 338.
- 100048 — AL-SAWAHRY (M.). Isonicotinyl hydrazine in leprosy. *Med. Pr. Egypt.* (1954), No. 11, 505-8.
Success in the treatment of skin tuberculosis with this drug led the A. to try it in 2 cases of leprosy (neural, mixed, nodular) some having received previous treatment (including sulphones), the others never treated before. Dosage: 50 mg-tabl. "Rimifon" Roche t.d.s., increased gradually to 2 tablets t.d.s. Good effect in 9 out of 12 cases, visible skin lesions (nodules, ulcers) responding first. No appreciable effect on nerves, sensation and disabilities. No toxic effects observed.
- 100049 — ALTOUNIAN (E.H.R.). Quatre cas bizarres de pratique chirurgicale. *Rev. Méd. Moy. Or.* (1954), 19, No. 3, 369-71.
- 100050 — ASKER (O.M.). Nitrogen mustard as a chemotherapeutic drug in the treatment of primary neoplastic conditions of the lymphatic haemopoietic systems. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 909-27.
Trial of nitrogen mustard in cases of lympho-sarcoma, chronic lymphatic leukaemia, reticulum cell sarcoma, tuberculous lymphadenitis. The drug did not change the situation very much, in cases where its effect is dramatic at the beginning rapid recurrence followed and its great toxicity shortens the life span of the pts
- 100051 — ATTIAH (M.A.). Malignant disease of the eye and its adnexa. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 778-803.
Brief outline of the incidence of malignant disease in various parts of the eye and its adnexa, diagnosis and treatment. Importance of the statistical study of causes, problems, and of making the people cancer-conscious but not to the point of phobia. 29 pictures.
- 100052 — AUJALEU (E.). Organisation et fonctionnement de la protection maternelle et infantile en France. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 292-300.
- 100053 — AUJALEU (E.). Organisation et orientation de la lutte contre le cancer. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 407-13.
- 100054 — AWAN (A.H.), MAZARIKA (C.N.) and AWAN (A.K.). Epidemiology of tuberculosis with a special reference to Indo-Pakistan subcontinent. *Medicus, Karachi.* (1955), 9, No. 4, 132-40.
- 100055 — BARSOUM (G.S.), NABAWY (M.) and SALAMA (S.). Scorpion poisoning. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 857-94.
Scorpion venom stimulates all levels of the autonomic nervous system, the centres, ganglia and peripheral endings. There is definite increase of adrenaline in the blood. New method of treatment: i.v. injection of regitine (1.0 mg/kg.) and atropine (0.02 mg/kg) in addition 2 cc. coranine injected i.m. in cases not manifesting respiratory acceleration.
- 100056 — BASILIOU (B.) et ISRAEL (A.). Utilité en pratique quotidienne de la mesure du rendement cardiaque et la ballistocardiographie. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 488-95.
- 100057 — BERTHET (E.). Les examens radiologiques systématiques dans le! diagnostics précoces des affections pulmonaires. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 355-9.
- 100058 — BERTHET (E.). La tuberculose en Moyen-Orient - méthodes pratiques d'évaluation des ravages du fléau et ordre d'urgence des mesures défensives qui s'imposent. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 76-81.
- 100059 — BERTHET (E.). Missions et réalisations du centre international de l'enfance (1950-1955). *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 434-42.
- 100060 — DAHAN (E.). Intérêt diagnostique au Liban des tests cutanés tuberculiniques. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 464-6.
- 100061 — DEBRAY (Ch.), LAUMONIER (R.) et HOUSSET (P.). Le diagnostic histologique des affections de l'estomac par la biopsie gastrique. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 421-33.
- 100062 — DELORE (P.). Propos d'un non-conformiste sur la maladie de Bouillard. (Rhumatisme articulaire aigu et tuberculose). *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 414-20.
- 100063 — DIRANI (M.). Un cas rare de torsion d'annexe pathologique chez une fillette de huit ans. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 495-6.
- 100064 — DOUGLAS GORDON. Possibilités de la radiographie simple sans moyen de contraste du crâne. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 368.
- 100065 — EL-DEWI (S.), AZIZ (S.) and BEBAWI (E.). Study of target oval cell syndromes in three generations of an Egyptian family. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 947-955.
Some types of target oval cell syndromes in an Egyptian family: hypochromic polycythaemia, target cell anaemia (adult anerythroblastic type of Cooley's anaemia), and hypochromic anaemia with target cells, without splenomegaly.
- 100066 — EL GAZAYERLI (M.) and KHALIL (H.A.). Observations on disease of the appendix. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1086-92.
Enterobius vermicularis is responsible for a fair number of cases of catarrhal appendicitis. Obstruction is an important factor in deciding the type and severity of the acute inflammatory reaction. In Egypt, obstruction may be due to a healed bilharzial lesion. Fibrous tissue formation of chronic bilh. infiltration of appendix does not prevent spread of the septic process to outer coats of appendix. Acute pyogenic infection is the most common lesion in the appendix.
- 100067 — EL-MASRI (D.). La rééducation par l'ionisation des vessies paralysées. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 513-5.
- 100068 — FAHIM (I.). In Arabic (Angina pectoris). *Rep. Pharm. Soc. Egypt.* (1955), 37, No. 1, 1-10.
General consideration upon this accident. Treatment by Khellin and Khellinine extractend from an Bgyptian plant.
- 100069 — FAHIM (I.) and HOSSEIN (A.M.). A contribution to the study of *Lawsonia inermis*. — *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 101-7.
Tincture of L.i. leaf is an antispasmodic, gives stimulant effect on the heart. The action of synthetic *Lawsonia*, natural *Lawsonia* and tinctura *Lawsonia inermis* were determined. In L.i. exists a principle responsible for limited cardiac stimulant effect.
- 100070 — FARRAG (H.), EL AFFIFI (A.) and ZAKI (O.). Salmonella in apparently normal pigs. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1110-3.
Mesenteric lymph nodes of 150 apparently normal pig carcasses were examined. 9 of them harboured *Salmonella* organisms (6%), 8 = *S. cholerae* suis, and only one *S. typhi-murium*. Direct plating without using tetrathionate enrichment medium was unsatisfactory. Apparently no cases of food poisoning in man have been recorded from consumption of such pigs.
- 100071 — FELLINGER (K.) and VETTER (H.). Radiation therapy by means of internally administered radioactive isotopes. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 812-30.
AA. believe this form of therapy to have many advantages over the older methods of radiation therapy. Usually only one v. injection is required, the effect of which generally last for a long time. They strongly recommend radiogold therapy in those cases which have failed to respond to chemotherapy.
- 100072 — FINDLAY (L.). L'office de recours et de travaux des Nations Unies pour les réfugiés de Palestine. (Juillet 1953-Juillet 1954). *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 443-57.
- 100073 — FRANCON (J.). La polyarthrite chronique évolutive masculine. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 91-2.

- 100074 — FRANCON (F.) et FRANCON (J.). Comment évaluer le pronostic dans les affections rhumatismales. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 31-43.
- 100075 — FRANCON (F.) et HASSOT (H.). Maladie de Ledderhose. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 72-6.
- 100076 — FRUCHAUD (H.). La lame péritonéale préduodénale et son intérêt chirurgical. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 364-8.
- 100077 — GARNIER (M.) et TORBEY (K.). Sur quelques cas d'intoxication par un ester phosphorique utilisé en phytopharmacies. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 373-9.
- 100078 — GHEITA (A.). An unusual case of pectoro-axillary actinomycosis. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1114-1177. A case is presented and discussed.
- 100079 — GIACAI (L.). La diastématomyélie. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 359-64.
- 100080 — GIRAUDCOSTA (E.), SEFERIAN (V.), FARJALLA (A.) et BERBERIAN (G.). L'hibernation artificielle (étude physiopathologique et clinique). *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 319-34.
- 100081 — GRIDLY (M.S.). Lipoma in the palate. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 983-84. A case having a lipoma near the posterior end of the palate is recorded (illustrations).
- 100082 — GUINENA (Y.), ABDEL NABY (S.) and TAHER (Y.). Two cases of compression myelopathy secondary to multiple myelomatosis. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 939-46. Review of the literature on this condition and its diagnosis. Two cases are described. In both there was rapid development of spinal cord compression in the upper thoracic region, with marked subarachnoid block and lipidol arrest. Deep X-ray therapy gave only temporary relief.
- 100083 — HADDAD (D.Y.). Pharmacognostical study and phytochemical investigation of the seeds of *Sesbania aegyptiaca* Pers. *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 1, 131-45. The seed of S.a. contains a catechol tannin; a non-reducing oligosaccharide which on hydrolysis yields a hexose. The presence of alkaloids, glycosides, saponins and starch is excluded.
- 100084 — HADDAD (A.F.). Chemotherapy of cancer. *Rev. Pharm. Liban.* (1954), 2, No. 3, 84-99.
- 100085 — HADDAD (F.). Dyrgerminoma metastasizing to the cerebellum. 7. *Annu. Rép. Orient. Hosp. Beirut* (1954), 21. (Résumé en français).
- 100086 — HADDAD (F.). Hypothermia and hibernation. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 66. (Résumé en Français).
- 100087 — HADDAD (F.). Oxytocin. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 67. (Résumé en Français).
- 100088 — HADDAD (F.). The effect of ammonium ion on the electrolytes and electrocardiographic pattern in dogs 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 26-38. (Résumé en Français).
- 100089 — HADDAD (F.). Urethral calculi in the female. 7. *Annu. Rep. Orient. Hosp. Beirut.* (1954), 15-20. (Résumé en Français).
- 100090 — HADDAD (F.). Radio-active zinc and prostatic disease. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 39-42.
- 100091 — HADDAD (S.). Oblique hernia in the female. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 24-5. (Résumé en Français).
- 100092 — HADDAD (S.). Foreign bodies in the oesophagus. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 43. (Résumé en Français).
- 100093 — HADDAD (S.). Traumatic aneurism of the facial artery. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 22-3. (Résumé en Français).
- 100094 — HAJJAR (J.). Le foyer épileptogène en électro-encéphalographie déductions anatomo-cliniques. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 387-91.
- 100095 — HAJJAR (J.). Procédés de rééducation des paraplégiques. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 473-5.
- 100096 — HAJJAR (J.). Remaniement du squelette chez l'homme après transection de la moelle. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 383-6.
- 100097 — HALAWANI (A.) and LATIF (N.). On the toxicity of certain halogenated phenols, catechols, o-benzoquinone and benzodioxole derivatives to Planorbis snails. *J. Egypt. Med. Ass.* (1954), (1954), 37, No. 8, 957-62. Investigation of the molluscicidal activity of tetrachloro and tetra bromocatechol, and tetrachloro and tetrabromo-o-benzoquinone. Several halogenated benzodioxole derivatives were prepared and tested against Planorbis. The presence of the OH group in these derivatives and the pH of the medium are very important for molluscicidal activity.
- 100098 — HALLIT (Sp.). Rhumatisme et stérilité. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 460-1.
- 100099 — HANDOUSSA (A.S.). Some points in the diagnosis of cancer of the oesophagus. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 773-7. A. points out that cancer of oesophagus may occur in young adults and that the relief of dysphagia on repeated lavage or iodine administration does not exclude cancer. Radiological investigation is very valuable, but should be supplemented by oesophagoscopy and biopsy.
- 100100 — HASSAN (A.H.) and ABDEL MALEK (L.). Bronchial carcinoma presenting cerebellar manifestations. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 857-62. After reviewing the literature on cerebral metastases of bronchial carcinoma, the clinical and pathological findings of a case of bronchial cancer which was absolutely silent are reported. The pt. presented signs and symptoms of increased intracranial pressure, and finally, cerebellar symptoms, caused by a cerebellar metastatic nodule. Clinical and X-ray examination of the skull and chest did not show any abnormality. The primary lesion in the form of a small suppleural nodule over the lateral surface of the lower lobe; there were also numerous pleural metastases.
- 100101 — HENGH (P.S.). Les cortisones et les corticotrophines dans la P.C.E. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 92-7.
- 100102 — HILMY (I.S.). The cheese skipper as cause of a case of urinary myiasis in Egypt. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 969-82. Review of the literature shows that no case of urinary myiasis caused by *Piophilha casea* are on record and only a few due to other dipterous flies. Description of first case due to the common cheese maggot fly in Egypt.
- 100103 — HOFFMAN (D.O.) and SAKHARY (R.). A study of water temperatures in a representative Egyptian canal in connection with schistosomiasis control. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 963-67. The data from a representative Egyptian canal indicate that water temperatures in canals may show seasonal variation of at least 18° (monthly average) instead of the rather conservative 12° previously estimated. Results again show the importance of temperature on molluscicide activity. Molluscicides best applied during the hot summer months.
- 100104 — ILIYA (A.A.). Oesophageal diverticula. 7. *Annu. Rep. Orient. Hosp. Beirut* (1954), 3-14. (Résumé en Français).
- 100105 — KAID BEY (H.) et SULTAN (S.). En Arabe Quelles sont les responsabilités sanitaires et sociales des pharmaciens ? Quand un pharmacien fait les fonctions de medecin ? *Rev. Pharm. Liban.* (1954), 2, No. 4, 33-37.
- 100106 — KHALYL (N.) and WAKIL (A.). Arrêté No. 6255 du 8 septembre 1954 concernant le commerce des stupéfiants. *Rev. Pharm. Liban.* (1954), 2, No. 3, 111-6.
- 100107 — KHALYL (N.) and WAKIL (A.). Loi du 18 Juin 1946 concernant les stupéfiants. *Rev. Pharm. Liban.* (1954), 2, No. 3, 108-10.
- 100108 — KHOURY (J.). Sur le traitement des iridocyclites plastiques. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 515-8.
- 100109 — KHOURY (M.B.) et SABBAGH (W.). Sur certaines possibilités de la bronchographie. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 461-4.

- 100110 — LACKANY (A.). A study of 200 Egyptian strains of faecal *Bacterium coli*. With special reference to a brilliant-green medium for the bacteriological examination of water supplies. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1100-9.
Two hundred Egyptian coliform strains were studied for gas-production at 44° and at 45.5°C. using a new selective brilliant green-lactose-bile medium. Incubation at 44°C. optimal. The brilliant green medium is superior to buffered lactose-peptone water. Strains of irregular type VI *B. coli* were isolated for the first time in Egypt.
- 100111 — LAHAM (E.). Au sujet de quelques cas de ménopause préménarchiale. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 101-4.
- 100112 — LEFEVRE (L.). La place de la radiothérapie dans le traitement des atteintes ostéo-articulaires dites rhumatismales. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 346-51.
- 100113 — LEVEFRE (L.). Statistiques sur le fonctionnement de la section anti-cancéreuse de l'hôpital d'Al-Kalimat à Alep. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 81-91.
- 100114 — LENZ (L.). Points nouveaux dans le traitement des grandes brûlures. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 458-60.
- 100115 — MAKHLOUF (M.). Prostatectomie en un temps par voie transvésical avec fermeture complète de la vessie (opération de Harris). Guérison en 8 jours. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 372-3.
- 100116 — MAKHLOUF (A.). Réflexions à propos de quelques fractures du calcaneum. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 98-101.
- 100117 — MAKHLOUF (A.). Siatique gauche rebelle à tout traitement médical, intervention: ablation d'une grosse hernie discale. Guérison. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 476-9.
- 100118 — MAROUN (Th.). A propos de quelques cas de maladie de Brill-Symmers observés au Liban. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 44-50.
- 100119 — MASSOUD (F.). Five-year plan for healthy eyes of school children. *Med. 2^r. Egypt.* (1955), 46, No. 1, 4-10.
In Egypt, where eye diseases are prevalent, a workable scheme for prevention and treatment is very important. The author proposes that regular attendance (once a week) at ophthalmic clinics or centres be made compulsory for children under 2 years. He discusses the legislation required and the economical aspects of the plan.
- 100120 — MENDELEK (V.). Le rhumatisme fléau social. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 379-83.
- 100121 — MENDELEK (V.). Les tractions vertébrales dans la thérapeutique anti-rhumatismale. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 466-8.
- 100122 — MERAB (A.) et CHAIA (J.). A propos d'un choc pénicillinique mortel. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 496-8.
- 100123 — MEYER (B.). Centres de traitement des tuberculoses aiguës chez l'enfant. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 311-8.
- 100124 — MIHAIL (G.R.). Lymphogranuloma venereum in Egypt. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 895-908.
Report of the first Frei test study conducted in Egypt. Of 642 persons tested, 127 where children below 15 yrs. and all were Frei-negative. Of the 515 adults, 3,1% gave positive reaction.
- 100125 — MOHAMED (A.S.). The association of bilharziasis and malignant disease in the urinary bladder. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1066-85.
Brief review of the theories and opinions of different workers on the subject. The author does not accept bilharzial toxin as causal factor, it it only plays a secondary role. Chronic bacterial cystitis and urinary phosphatic calculi, formed in alkaline urine, are the principal causes of squamous cell metaplasia of the vesical mucosa; a precancerous condition. The chronic sepsis and calculosis are due to bilharzial infestation.
- 100126 — MOHAMED (A.S.). Cystic disease of the urinary tract and its relation to bilharziasis and malignant neoplasms. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 987-1065.
A. concludes that malignant disease of the urinary tract especially the bladder, is aetiologically related to bilharzial infestation, and so is cystic disease of the bladder, ureters, and renal pelvis, but there is no relation between malignant disease and cystic changes. (26 illustrations).
- 100127 — MOUNLA (T.). A propos d'un cas de fibrome utérin. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 498-9.
- 100128 — MOUREIDEN (I.). En marge du traitement médical de l'ulcère gastrique et duodénal. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 51.
- 100129 — MUHAMMAD (A.). Cervical spondylosis. *Medicus, Karachi* (1955), 9, No. 4, 124-31.
- 100130 — NASSER (M.). Considérations sur le traitement des perforations typhiques. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 499-501.
- 100131 — NEYRON DE MEONS (Ch.) et SEFERIAN (V.). A propos d'un article d'Alexander sur le plasma conservé. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 111.
- 100132 — NINI (W.). A propos de la distension gazeuse post-opératoire. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 501-4.
- 100133 — PIRACHA (A.R.). Presidential address. *Medicus, Karachi* (1955), 9, No. 4, 131-4.
- 100134 — PONTIUS (P.) et BOUSTANY (F.N.). Angiocholégographie intraveineuse chez les cholécystectomisés et en cas d'exclusion vésiculaire. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 479-83.
- 100135 — PONTIUS (P.) et BOUSTANY (F.N.). Cholangiographie par voie intraveineuse. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 301-10.
- 100136 — PONTIUS (P.) et BOUSTANY (F.N.). Pneumo-rétro-péritoine. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 335-7.
- 100137 — PONTIUS (P.) et BOUSTANY (F.N.). Sur la visibilité du cystique et du cholédoque au cours de la cholécystographie orale et intraveineuse. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 341-5.
- 100138 — PONTIUS (P.) et BOUSTANY (F.N.). Valeur comparée des méthodes modernes d'examen radiologique des voies biliaires par opacification orale et par injection intraveineuse. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 501-6.
- 100139 — PONTIUS (P.), BOUSTANI (F.N.) et CONSEIDIS (O.). Fréquence relative et localisation de l'ulcère gastro-duodénal et du cancer gastrique au Liban. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 104-10.
- 100140 — PRUDENTE (A.). Modern methods of detecting uterine cancer. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 842.
- 100141 — PRUDENTE (A.). Cancer in situ. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 840-1.
The A. gives pointers for diagnosis, as early diagnosis is essential.
- 100142 — RAHMAN (A.A.A.). In arabic (Materials for making better flavouring, II.). *Rep. Pharm. Soc. Egypt.* (1955), 37, No. 1, 14-21.
Preparation of different sirops.
- 100143 — RAHMAN (H.A.A.E.). Tests for the identification of pharmacopoeial tinctures. *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 129-30.
Identification tests for tinctures of Belladonna, Colchicum, Hyoseyamus, Ipecacuanha, Stramonium, "Tinctura Strychni", "Tinctura Opli Benzoica".
- 100144 — SAAD (B.). Sur la fréquence de l'infarctus du myocarde. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 506-8.
- 100145 — SAFA (A.). Résultat du traitement par les ultra-sons. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 469-72.
- 100146 — SAID (A.A.). In arabic (New drugs for cancer). *Rep. Pharm. Soc. Egypt.* (1955), 37, No. 1, 11-13.
General exposition.
- 100147 — SALAMA (S.D.). Treatment of coronary thrombosis. *Med. Pr. Egypt.* (1955), 46, No. 1, 1-3.
A. gives a brief general our line of treatment, mentioning the indications and contra-indications of the different measures.
- 100148 — SAWWAF (P.). A propos des calcinosis cutanées. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 338-41.
- 100149 — SCHAUFFLER (G.C.). Induction or stimulation of labor. *Medicus, Karachi* (1955), 9, No. 4, 115-124.
- 100150 — SERAFINO (X.). Sur l'ostéomalacie obstétricale en Afghanistan. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 1-8.
- 100151 — SHAHID (M.). A.C.T.H. et cortisone en hématologie. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 279-91.
- 100152 — SHARAF (A.A.). African plants used as poisons. *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 95-100.
Review of the plants, and toxic principles used as arrow, ordeal and homicidal poisons by the natives. Narcotizing and convulsant principles. Fish poisons.

- 100153 — SHARAF (A.). Antagonism of cortisone and progesterone on the endometrium of the rabbit. *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 115-8.
The progestational proliferating effect of progesterone on the endometrium of the rabbit is antagonised to some extent by cortisone. It seems possible, that interruption of pregnancy with ACTH may be due to stimulation of the adrenal cortex which releases cortisone in fair amounts sufficient to produce this effect.
- 100154 — SHUKRY (H.) and AWAAD (S.). Treatment of infantile diarrhoea with neomycin. *J. Egypt. Med. Ass.* (1954), 37, No. 9, 1093-9.
In about 60% of the 48 cases, the drug resulted in little or no improvement. More than 30% of the cases were positive for Shigella organisms, most commonly *S. flexneri*. In the remaining 69% organisms of doubtful pathogenicity were isolated. Response to the drug did not differ significantly in Shigella-positive and Shigella negative cases. Neomycin is not the drug of choice in treatment of infantile diarrhoea.
- 100155 — SICARD (A.). La conservation des greffons osseux (banque d'os). *Rev. Med. Moy. Or.* (1954), 11, No. 3, 271-8.
- 100156 — TALEB (N.). Réflexions a propos de deux épidémies de favisme observées à Beyrouth. *Rev. Med. Moy. Or.* (1954), 11, No. 4, 508-9.
- 100157 — TAPTAS (J.N.). Considérations sur les névralgies crurales. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 518-22.
- 100158 — TAPTAS (J.N.). A propos d'un cas de calcul cérébral opéré. *Rev. Méd. Moy. Or.* (1954), 11, No. 3, 351-4.
- 100159 — THOMAS (Ph.) et BAZ (C.). Greffe dermo-épidermique dans l'évidement petromastoidien. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 510-2.
- 100160 — THOMAS (Ph.), NASSER-ACHKAR (J.) et BAZ (C.). L'amygdalectomie dans les néphrites. *Rev. Méd. Moy. Or.* (1954), 11, No. 4, 522-6.
- 100161 — TOPPOZADA (H.K.). The cervical factor in sterility. *J. Egypt. Med. Ass.* (1954), 37, No. 8, 929-38.
Discussion of the cervical factor. Analysis of results of Holmer's test in 47 sterility cases. Result of treatment in 6 cases with abnormal Hulmer test as only abnormality detected Hulmer's test should be applied in every case of sterility.
- 100162 — VAN DER MOLEN (H.R.). Angiopathie à retentissement osseux ou dysembryoplasie à la fois vasculaire et osseuse. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 16-30.
- 100163 — WILBOLZ (E.). Applications of radio-active isotopes in cancer of bladder. *J. Egypt. Med. Ass.* (1954), 37, No. 7, 831-839.
The A. discusses the treatment of cancer of the bladder with radio-active cobalt in the form of a solution introduced into the bladder in a balloon catheter. 50 cc. of sol. are standardised to emit 3000 r a day and the balloon is left in the bladder for 10 days. This treatment is applied after surgical treatment. The results are encouraging, the percentage of cures (15%) compared with that achieved by total cystectomy- and that without any operative mortality. In advanced cases the results are poor, the best results are obtained in early cases with little infiltrations of the bladder wall.
- 100164 — ZAKY (S.) and MAHDI (M.A.H.). Red cell fragility in parasitic anaemia. *Proc. Pharm. Soc. Egypt.* (1954), 36, No. 12, 109-10.
Osmotic behaviour of erythrocytes in 40 cases of parasitic anaemia. Their Hb. varied between 10% and 65%. In cases with no cirrhosis of the liver diminution of fragility was found in only a small number. All cases who had cirrhosis showed diminution of fragility. No relation could be found between the Hb. contents and red cell fragility.
- 100165 — ZELLWEGER (H.) et GIACCAI (L.). Gargoylisme. *Rev. Méd. Moy. Or.* (1955), 12, No. 1, 9-15.
- 100167 — EZZAT (A.). Some factors affecting the design of cross-flow heat exchangers for gas turbines. *Bull. Fac. Engng. Cairo.* (1954), 141.
Rules and relations between the various items involved in heat exchanger design.
- 100168 — HANNA (W.S.), BAKHOUM (M.) and RIAD (L.). Axial and eccentric buckling with special application to reinforced concrete. *Bull. Fac. Engng. Cairo.* (1954), 45-73.
- 100169 — HANNA (W.S.), BAKHOUM (M.) and TOSSON (R.). Stresses and failure loads for statically indeterminate reinforced concrete frames. *Bull. Fac. Engng. Cairo.* (1954), 75-104.
- 100170 — HUSAIN (S.A.). Unified operation of the Punjab N.-W.F.P. grids and the need for a central co-ordinating agency. *Pakist. J. Sci.* (1954), 6, No. 3, 152-4.
The necessity of a central co-ordinating agency with the authority of controlling and directing the operation of all the power stations and main grid substations in the country, in order to ensure continuity of service and produce energy at minimum over-all total cost is emphasized.
- 100171 — KHAFAGI (A.) and HAMMAD (S.Z.). Study of the effect of stream line curvature on flow over weirs. *Bull. Fac. Engng. Cairo.* (1954), 105-26.
Relation between coeff. of discharge and curvature of the flow. Results obtained from experiments carried on scale models of weir cannot be applicable on the prototype.
- 100172 — NAZIR (Ch.M.), AHMED (N.) and HAQ (Z.). Bulking of sand and its compaction. *Pakist. J. Sci. Res.* (1954), 6, No. 3, 95.
In this note it has been shown that incomplete compaction of sand in filling under weir may be a cause of the existence of cavities under structures. A mechanical device has been suggested, the use of which results in complete compaction of sand which even on drying remains in the same compacted state.
- 100173 — RASHED (M.I.I.). Graphical solution of the torsion problem. *Bull. Fac. Engng. Cairo.* (1954), 365-93.
Fundamental strain equations, proceed to the assumptions of Saint Venant for the twisting of a prism, reform the corresponding equations until reach a differential equation which can be solved graphically. Boundary conditions are introduced through a supplementary equation of the integral type. Numerical example.
- 100174 — SAMEH (K.D.). Stalactites in Muslim architecture. *Bull. Fac. Engng. Cairo.* (1954), 129-38.
- 100175 — TADROS (A.G.) and SOLIMAN (S.G.). Analysis of continuous frames. *Bull. Fac. Engng. Cairo.* (1954), 27-43.

AGRICULTURAL AND VETERINARY SCIENCES

- 100176 — ABDUL WAHHAB, HUSSAIN (A.) and MUHAMMAD (F.). Utilisation of urea by Ruminants. I. Urea as a partial substitute for proteins in the rations of dry cows. *Pakist. J. Sci. Res.* (1954), 6, No. 3, 98-102.
Digestion trials on dry cows were conducted to determine the utilisation of urea as a source of non-protein nitrogen in rations at a high level of protein intake. The experiments show that area nitrogen is utilised by the animals.
- 100177 — ALADJEM (R.). Les méthodes d'analyse de terres employées en Egypt (suite et fin). — *Feuill. Agric.* (1954), 12, No. 85 325-31.
Dosage de la fraction assimilable, des bases échangeables. Analyse mécanique du sol.
- 100178 — BROWN (C.H.). The problem of new varieties. *Egypt. Cott. Gaz.* (1955), 24, 13-7.
Rejecting the idea that "The customer is always right", which is against the interest of growing countries as Egypt and Sudan; and giving an advice for cotton breeders to look for better characteristics in general and let the customers modify according the new types.
- 100179 — BUNTING (A.H.). The catena, a contribution to a discussion. *Mem. Res. Minist. Agric. Sudan* (1953), 44, 1-4.
Milne's definition of the catena and how it has been misunderstood by some workers. Catenas of Sudan and closely related areas are discussed under different geological and climatic conditions; with an explanation for catena as a dynamic phenomenon.

ENGINEERING SCIENCES

- 100166 — EL-DEMIRDASH (I.A.) and SHAABAN (A.E.). The Vierendeel girder with equal chord stiffness. *Bull. Fac. Engng. Cairo.* (1954), 3-25.

- 100180 — CHAFFAR (M.A.). **New upper Egyptian varieties resembling ashmouni.** *Egypt. Cott. Gaz.* (1955), 24, 19-22.
Unfavourable changes in the situation of ashmouni cotton; and the hope that ashmouni's users will give a trial to its successful substitutes, specially Giza 50 and Giza 60.
- 100181 — FERGUSTN (H.). **Agronomic research on cotton in the Sudan Gezira.** *Mem. Res. Minist. Agric. Sudan* (1953), 43, 1-26.
Major problems affecting cotton growing in the Gezira; with a discussion of the experiments carried on for proper manuring, field practices, weed control and rotation of crops. Water economy and salt problems are also dealt with.
- 100182 — GARBOUA (M.). **L'engrais organique, base de fertilité du sol et source complémentaire du carbone absorbé par les racines du riz et de quelques autres graminées pour l'élaboration de leurs tissus** *Feuill. Agric.* (1954), 12, No. 85, 333-7.
Idées du professeur L. Barasis sur l'absorption du carbone, à partir des produits du sol.
- 100183 — GARNIER (L.). **Mise en valeur des terres** *Feuill. Agric.* (1954), 12, No. 85, 339-43.
Le problème dans le monde, exemples de l'Algérie, le Maroc, l'A.O.F., Madagascar, Libye, Pakistan et Syrie.
- 100184 — GASCHÉ (R.). **The cotton industry in Egypt — A survey of the year 1954.** *Egypt. Cott. Gaz.* (1955), 24, 7-11.
A discussion about the need for a regular supply of row cotton to spinners at a reasonable cost; and a recommendation to make all efforts towards exporting fine yarn and cloth since their output exceeds the local consumption.
- 100185 — JUNGFLEISCH (M.). **Le sorgho ou millet en Egypte.** *Bull. Un. Agric. Egypte.* (1955), 52, No. 411-179-86.
Origine et variétés du point de vue scientifique et pratique. Culture.
- 100186 — JUNGFLEISCH (M.). **Le sorgho ou millet en Egypte** *Bull. Un. Agric. Egypte.* (1955), 52, No. 412-199-205.
(Suite et fin). Maladies et parasites. Superficies et rendements. Cette richesse agricole d'Egypte n'est pas exploitée suffisamment.
- 100187 — JUNGFLEISCH (M.). **Le sorgho ou millet en Egypte (annexes)** *Bull. Un. Agric. Egypte.* (1955), 53, No. 413.
Superficie et rendements (statistiques). Bibliographie: (89 références)
- 100188 — LOYCE (R.J.V.). **Entomologie et agriculture au Soudan anglo-egyptien.** *Feuill. Agric.* (1954), 12, No. 85, 345.
Organisation du service entomologique Travaux de recherches, progrès de la lutte antiparasitaire.
- 100189 — NIAZ (M.S.). **How wise farmers are.** *Pakist. J. Sci.* (1954), 6, No. 3, 141-3.
Relationship between the price of sugarcane relative to cotton and the acreage sown under sugarcane in relation to cotton in the following year, is discussed.
- 100190 — SATTAR (A.). **Insects associated with groundnut *Arachis hypogea* Linn in eastern Pakistan.** *Scient. Pakistan.* (1954), 2, No. 1/2, 40-1.
- 100191 — WAHHAB (A.) and MUHAMMAD (T.). **The role of legumes in improving soil fertility. IV. The influence of legume cultivation on some biological aspects of the soil.** *Pakist. J. Sc. Res.* (1954), 6, No. 3, 103-5.
On the whole there is much greater microbial activity in soil in which legumes were cultivated than that which was shown with a non-legume or left as a control. The microbial activity has been measured by the evolution.

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